

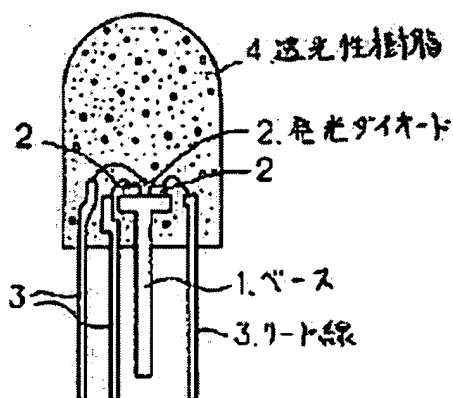
LIGHT EMITTING DIODE LAMP

Patent number: JP4137570
Publication date: 1992-05-12
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Classification:
- **international:** H01L33/00; H01L23/29; H01L23/31
- **europaen:**
Application number: JP19900259202 19900927
Priority number(s):

Abstract of JP4137570

PURPOSE:To make luminance uniform and effectively obtain mixed color, by mixing translucent resin with light scattering particles and light transmitting particles.

CONSTITUTION:A light emitting diode 2 is covered with translucent resin 4, and a lens part is formed above a base part 1. The resin is mixed with light scattering particles and light transmitting particles. When the translucent resin is constituted of a plurality of layers, the light emitting diode 2 is covered with soft resin, and then the whole part is covered with hard resin, color mixing is improved, and stress is not applied to the light emitting diode. Thereby light is diffused by the light scattering particles, and widely spread in the inside of the translucent resin; light is refracted by the light scattering particles, and light in the vicinity of the particles scatters. On account of the synergistic effect of the above, uniform illuminance and mixed color are obtained.



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